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ELECTRONIC THESIS AND DISSERTATION UNSYIAH

TITLE

PENGARUH PEMBERIAN TEPUNG KULIT PISANG KEPOK (MUSA PARADISIACA NORMALIS) FERMENTASI + BUNGKIL KELAPA+ FEED SUPPLEMENT SEBAGAI SUBSTITUSI SEBAGIAN RANSUM KOMERSIL PERIODE FINISHER TERHADAP PERFORMAN AYAM BROILER

ABSTRACT

ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui pengaruh substitusi sebagian ransum komersil periode finisher dengan tepung kulit pisang kepok (*Musa paradisiaca normalis*) fermentasi + bungkil kelapa + feed supplement terhadap performan ayam broiler. Penelitian dilakukan di Laboratorium Lapangan Peternakan (LLP), Program Studi Perternakan, Fakultas Pertanian, Universitas Syiah Kuala, tanggal 1 April – 5 Mei 2016. Penelitian ini menggunakan 100 ekor anak ayam broiler (DOC) strain Lohmann, produksi PT. Japfa, Medan. Rancangan yang digunakan adalah Rancangan Acak Kelompok (RAK), terdiri dari 5 perlakuan dan 4 kelompok. Tiap kelompok merupakan unit percobaan yang masing-masing terdiri dari lima ekor ayam. Perlakuan yang dicobakan adalah pemberian tepung kulit pisang kepok fermentasi + bungkil kelapa + feed supplement, sebanyak 0% (P1), 2,5%+1,5%+1% (P2), 5%+3%+1% (P3), 7,5%+4,5%+1% (P4), dan 10%+6%+1% (P5). Parameter yang diamati meliputi berat badan akhir, pertambahan berat badan, konsumsi ransum, konversi ransum, dan mortalitas. Data yang diperoleh dianalisis dengan Analysis of Variance (ANOVA), jika didapatkan hasil yang berbeda nyata, maka dilanjutkan dengan Uji Jarak Berganda Duncan (Ott, 1993). Hasil penelitian memperlihatkan bahwa substitusi ransum komersil dengan sebanyak-banyaknya 10% tepung kulit pisang kepok fermentasi + 6% bungkil kelapa + 1% feed supplement tidak berpengaruh nyata ($P>0.05$) terhadap berat badan akhir, pertambahan berat badan, konsumsi ransum, dan konversi ransum ayam broiler.

ABSTRACT

The aim of present study was to determine effect of partial substitution of commercial broiler finisher diet with a fermented banana (*Musa paradisiaca normalis*) peel + coconut meal + feed supplement to performances of broiler chickens. The study was conducted in Field Laboratory, Department of Animal Husbandry, Faculty of Agriculture, Syiah Kuala University, April 1 until Mei 5, 2016. As many as 100 chicks, strain lohmann, produced by PT. Japfa, Medan were used in this study. The study was performed into randomized block design (RBD), consisted of 5 treatments and 4 blocks. Each group was an experimental unit, consisting of five chickens. The treatment was the provision of fermented banana peel + coconut meal + feed supplement, with the level of 0% (P1), 2,5%+1,5%+1% (P2), 5%+3%+1% (P3), 7,5%+4,5%+1% (P4), and 10%+6%+1% (P5), respectively. The parameters observed were final body weight, average body weight gain, feed consumption, and feed conversion, as well as mortality. Data were analyzed by Analysis of Variance (ANOVA), if significantly different results were detected, then continued by Duncan's Multiple Range Test (Ott, 1993). The results of study showed that administration of fermented banana peel up to 10% + coconut meal 6% + feed supplement 1% as partial substitution of commercial finisher broiler diet was not significant effect ($P>0.05$) on final body weight, average body weight gain, feed consumption, and feed conversion of broiler chickens.